

### **REMARKS**

Reconsideration is requested.

Claim 253 is rejected under 35 U.S.C. §102 as being anticipated by U.S. Patent No. 5,121,407 to Partyka and under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,121,407 to Partyka in view of U.S. Patent No. 5,576,647 to Sutardja.

Claim 253 has been amended to add first and second charge pump using language similar to language contained in claim 6 which was allowed in the parent application, now U.S. Patent No. 6,466,634. Claim 253, as amended, recites a phase locked loop including a voltage controlled oscillator configured to multiply the frequency of the digital clock signal by a predetermined multiple and control circuitry to maintain a desired frequency, the phase locked loop having an output providing a transmitter carrier, the control circuitry including a first charge pump coupled to a start-up circuit and configured to pump a frequency of the voltage controlled oscillator in response to a start-up command from the start-up circuit, and a second charge pump and configured to selectively pump up or down the frequency of the voltage controlled oscillator in steps smaller than the steps of the first charge pump.

The Partyka et al. reference fails to teach or suggest a first charge pump coupled to a start-up circuit and configured to pump a frequency of the voltage controlled oscillator in response to a start-up command from the start-up circuit,

and a second charge pump and configured to selectively pump up or down the frequency of the voltage controlled oscillator in steps smaller than the steps of the first charge pump, in combination with the other features of claim 253.

The Sutardja et al. reference fails to cure the deficiency of Partyka et al.

Therefore, claim 253 is allowable.

As claims 254-259 depend on claim 253, they too are allowable.

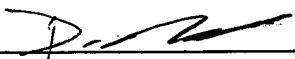
Claims 260-284 have been cancelled to reduce the number of issues under consideration.

New claims have been added that are method claims that are roughly parallel to the apparatus claims allowed in the parent application, now U.S. Patent No. 6,466,634, and are believed to be allowable for the same reasons.

In view of the foregoing, allowance of claims 253-259 and 285-314 is requested. The Examiner is requested to phone the undersigned in the event that the next Office Action is one other than a Notice of Allowance. The undersigned is available for telephone consultation at any time.

Respectfully submitted,

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By:   
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